



796

## SEQUENCE LISTING

(1) GENERAL INFORMATION:

- (i) APPLICANT: Bavykin, Sergei  
Mirzabekov, Andrei
- (ii) TITLE OF INVENTION: METHOD FOR LABELING DNA AND RNA
- (iii) NUMBER OF SEQUENCES: 12
- (iv) CORRESPONDENCE ADDRESS:
  - (A) ADDRESSEE: CHERSKOV & FLAYNIK
  - (B) STREET: 20 N. Wacker Drive
  - (C) CITY: Chicago
  - (D) STATE: Illinois
  - (E) COUNTRY: United States
  - (F) ZIP: 60606
- (v) COMPUTER READABLE FORM:
  - (A) MEDIUM TYPE: 3.50 inch, 1.4 MB storage
  - (B) COMPUTER: PC
  - (C) OPERATING SYSTEM: Microsoft Windows 98
  - (D) SOFTWARE: Wordperfect
- (vi) CURRENT APPLICATION DATA:
  - (A) APPLICATION NUMBER: 10/057,753
  - (B) FILING DATE: 2002-JAN-23
- (viii) ATTORNEY/AGENT INFORMATION:
  - (A) NAME: Cherskov, Michael J.
  - (B) REGISTRATION NUMBER: 33,664
  - (C) REFERENCE/DOCKET NUMBER: 0003/00034
- (ix) TELECOMMUNICATION INFORMATION:
  - (A) TELEPHONE: (312) 621-1330
  - (B) TELEFAX: (312) 621-0088

(2) INFORMATION FOR SEQ ID NO: 1:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 17 bases
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: Not Applicable
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: Genomic DNA
- (iii) HYPOTHETICAL: yes

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

ACG GGC GGT GTG TRC AA 17

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18 bases

(B) TYPE: nucleic acid

(C) STRANDEDNESS: Not Applicable

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Genomic DNA

(iii) HYPOTHETICAL: yes

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

GWA TTA CCG CGG CKG CTG 18

(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18 bases

(B) TYPE: nucleic acid

(C) STRANDEDNESS: Not Applicable

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Genomic DNA

(iii) HYPOTHETICAL: yes

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

TGC CTC CCG TAG GAG TCT 18

(2) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 17 bases

(B) TYPE: nucleic acid

(C) STRANDEDNESS: Not Applicable

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Genomic DNA

(iii) HYPOTHETICAL: yes

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

ACC GCT TGT GCG GGC CC 17

(2) INFORMATION FOR SEQ ID NO: 5:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 20 bases

(B) TYPE: nucleic acid

(C) STRANDEDNESS: Not Applicable

- (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: Genomic DNA
- (iii) HYPOTHETICAL: yes
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

CGA AGC CGC CTT TCA ATT TC 20

- (2) INFORMATION FOR SEQ ID NO: 6:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 20 bases
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: Not Applicable
    - (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: Genomic DNA
  - (iii) HYPOTHETICAL: yes
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

CAA CTA GCA CTT GTT CTT CC 20

- (2) INFORMATION FOR SEQ ID NO: 7:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 20 bases
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: Not Applicable
    - (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: Genomic DNA
  - (iii) HYPOTHETICAL: yes
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

TGT CAC TCT GCT CCC GAA GG 20

- (2) INFORMATION FOR SEQ ID NO: 8:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 20 bases
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: Not Applicable
    - (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: Genomic DNA
  - (iii) HYPOTHETICAL: yes
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

CGG TCT TGC AGC TCT TTG TA 20

- (2) INFORMATION FOR SEQ ID NO: 9:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 23 bases

- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: Not Applicable
- (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: Genomic DNA
- (iii) HYPOTHETICAL: yes
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

ATG CGG TTC AAA ATG TTA TCC GG 23

- (2) INFORMATION FOR SEQ ID NO: 10:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 20 bases
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: Not Applicable
    - (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: Genomic DNA
  - (iii) HYPOTHETICAL: yes
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

TTC GAA CCA TGC GGT TCA AA 20

- (2) INFORMATION FOR SEQ ID NO: 11:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 20 bases
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: Not Applicable
    - (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: Genomic DNA
  - (iii) HYPOTHETICAL: yes
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:

TTC GAA CTA TGC AGT TCA AA 20

- (2) INFORMATION FOR SEQ ID NO: 12:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 23 bases
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: Not Applicable
    - (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: Genomic DNA
  - (iii) HYPOTHETICAL: yes
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:

CAA TTT CGA ACT ATG CAG TTC AA 23